

BEST AVAILABLE COPY

Patent claims

1. For processing blood and blood components in ring bag (22) intended for the centrifuge of which type the rotor has an outer peripheral space for ring bags (22) and a central space (2) for secondary bags arranged in close vicinity to its rotation shaft, which via the tube system is connected to the ring bag and with which the available space of the ring bag can be restricted when emptying the ring bag by the addition of hydraulic fluid beneath membrane (5) which, in turn, limits the aforesaid space for the ring bag and thereby the rotor which is equipped with an clockwise rotating lid that can open also shows at the same height as the intended position for ring bag (22) arranged supports (9-11) on the inner periphery intended to locate the prepared guide holes in the ring bag's inner strengthened periphery and which are characterised by at least one of the aforementioned supports (9-11) comprises a guide groove (12) in which connecting tube (31) runs between ring bag (22) and secondary bag (33) can be placed a controllable clamp valve whereby in the aforementioned guide groove is arranged with which the connecting tube can be blocked by clamping if required.

2. Centrifuge in accordance with Claim 1, characterised by at least one of the supports (10) in the arranged guide groove contains a welding station which, via sterile welding, can cut and block tube (31), which is no longer used.

3. Centrifuge in accordance with Claim 2, characterised by that the respective welding station is supplied by power via slip ring clutches (14, 15) arranged along its rotor shaft.

4. Centrifuge in accordance with either Claim 1-3 characterised by that at least some of the supports are located somewhat unsymmetrically for defining the position of ring bag (22) in the centrifuge.

5. Centrifuge (34) in accordance with either of Claim (1-4) characterised by that the outer lid (35) displays a holder or cassette (41) and when the centrifuge's outer lid (35) is completely open a number of blood bags (37-40) can be suspended whereby the holder is connected to a motor with the distinct characteristic that when it is activated makes an incomplete revolution (42) forward and backwards past the point of departure in order to expose the aforementioned blood bags to a mechanical mixing of the substance contained therein.

6. Centrifuge in accordance with Claim 5, characterised by that its outer lid (35) at a point above the aforementioned holder or cassette (41) displays a suspension instrument (44) for container (23) containing an agent for diluting the content of blood bags (37-40) suspended in the aforementioned (41).

BEST AVAILABLE COPY